

1601  
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RED SPOT

# LIGHTING SPECIALTIES

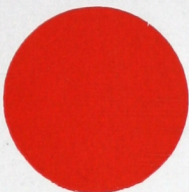
THE F. W. WAKEFIELD BRASS CO.  
VERMILION, OHIO







WAKEFIELD

RED  SPOT

LIGHTING SPECIALTIES

THE F. W. WAKEFIELD BRASS COMPANY

Vermilion, Ohio

[ PRINTED  
IN U.S.A. ]



# REPRESENTATIVES

---

## NEW ENGLAND STATES

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Telephone: Lincoln 8954

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San Francisco, Calif.  
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Mr. H. A. Auchter  
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Los Angeles, Calif.  
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## EXPORT DEPARTMENT

The F. W. Wakefield Brass Co.  
Vermilion, Ohio  
Telephone: 4422



# AIMS AND POLICIES

The F. W. Wakefield Brass Company, as a manufacturer of lighting equipment for over thirty years, has built up and maintained a quality standard which is respected throughout the lighting industry. It has been our keenest desire to produce saleable merchandise not only whose quality is beyond reproach but at the same time, a product embodying all the knowledge and engineering ability at our command.

Service, which is the mainstay and criterion of a well-conducted business, is put at a

premium. Every effort is made on the part of the organization to stress the importance of this word. Shipping promises are to be respected and adhered to, and one is not allowed to be broken without due notice and explanation to the customer.

In this catalog are shown the latest developments in commercial lighting as well as the latest designs in our other lines. As new lines are added, supplementary sheets describing them will be sent to each holder of this catalog.

## SYSTEM OF CATALOG NUMBERS

Wherever possible, the following catalog numbering system has been used. An understanding of the simple system saves a great deal of time and trouble.

There are four figures and one or two letters for each designation.

— — — — —

The first two figures represent the line of the material: for example, the Standard Line is the 1300, the Bronze Embossed Line the 1900, etc.

19 — — —

The third figure gives the fitter size in inches.

196 — — —

The fourth indicates the type of hanger: O meaning chain suspension, 1 meaning ceiling type, 3 side wall bracket, 4 semi-rigid suspension.

1961 — —

A letter after the number indicates the size

or type of the socket. A is for medium, B for mogul socket and C for the Three Light socket

1961B —

Sometimes there is an additional letter designating some special construction. This letter follows the socket type letter. H stands for "with Holophane lamp position", and T for screwless, toggle type holding device.

1961BH

Thus the above catalog number would designate that the unit belonged to the 1900 Bronze Embossed Line, has a 6" fitter, is of the ceiling type, equipped with a mogul socket and that the socket is placed in the correct Holophane lamp position.

The advantage of the "Red Spot" system is that you do not have to memorize an assortment of meaningless figures or consult the catalog every time our product is referred to. Once the principles of this system are mastered, the correct number of any hanger in question can be had by this means and conversely, you know what type of fixture is in question when the number is known.



## GENERAL INFORMATION

### Discontinued Items—

We have discontinued all items not listed in this catalog. Material listed on previously issued sheets can often be had, however, on special inquiry and at a special price given as a quotation.

### Extra Lengthening—

See price sheets for cost of extra lengthening.

### Special Finishes—

Any type of finish can be furnished on factory order. For special finishes see data sheet No. 1034 or write the factory for a quotation, giving the number and type of units involved. Special finishes do not include wire or wiring unless so stated.

### Not Wired—

All catalog numbers are supplied not wired on direct factory shipments when so ordered. Binding screw sockets and sufficient wire are supplied but not attached. Specify "not wired." Shipping cases will be plainly marked "Not wired", thus indicating to anyone receiving any of our goods that there was no electrical work included in them.

### Descriptions—

Descriptions and listings of material in this catalog supersede descriptions and listings of material under these schedules as published in former catalogs, bulletins and circulars.

### Terms—

Our terms of sale, when credit has been established, are 2% ten days, net thirty days. All material is shipped F. O. B. Vermilion, Ohio, unless otherwise noted.

### Packing—

In general, units are packed twelve to a standard package. Specially designed containers assure the arrival of merchandise in the best possible condition.

Our Pricing Arrangement includes costs for dealers, jobbers, central station, and distributors. These costs will be quoted on application.



# COMMODORE "1000"





# COMMODORE : : "ONE THOUSAND"

Continuing its pioneer work in plastics started in 1932, The F. W. Wakefield Brass Company announces its new 750-1000-1500 watt Commodore. The reflector on this new unit is 26½" in diameter as compared with the 18-¾" of the 300-500 watt size. The continuance of the use of a plastic material is due to the fact that in the use of Plaskon, the F. W. Wakefield Brass Company has found a reflecting medium combining (1) a prime cost as favorable as steel, (2) a reflection factor comparable to Alzak, (3) and that heretofore distinctive quality of glass--transmission. This larger unit increases to a still greater degree the advantages of the Commodore Luminaire over a similar metal and glass unit.

Designed by America's foremost industrial designer, Harold Van Doren, the Commodore "One Thousand" continues the effectiveness of the 300-500 watt size with its pleasant warm appearance, and excellently diffused glareless light. In contrast to the simplicity of the design, a special Commodore known as the Royal Commodore is now available in the thousand watt size. This model is harmoniously decorated with a distinctive metal band while the stem of the hanger is ornamented with five discs of crystal clear Catalin. Here indeed is a unit of perfect proportion and a style of distinctive merit.

Because of this reflector's size, the famous housings for the Toledo Scale and the Western Union printer must now give up their position in the spotlight of plastic history to this new

26½" reflector. These moldings were formerly the largest produced in the world. In square inch area, this new reflector is over twice the size of the scale housing and over three times the size of the printer casing.

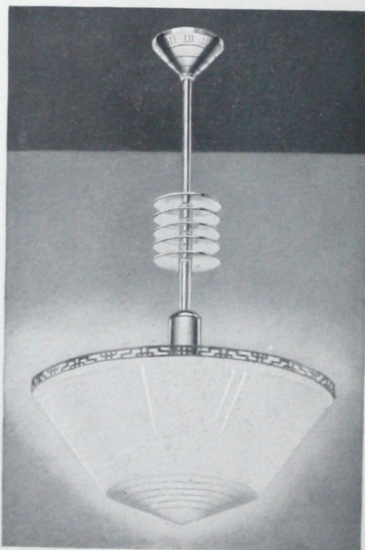
The F. W. Wakefield Brass Company is justly proud of this new step forward in the lighting art. Where lighting advancement was formerly shackled by cumbersome weight, great breakage, difficult maintenance and pos-

sible danger to human beings, this new reflector overcomes these disadvantages and offers complete illumination without any of these objections.

Like the other plastic reflectors used on Wakefield products, the Commodore thousand watt reflector is molded from Plaskon, an urea-formaldehyde compound, which is the only one that will meet, to our satisfaction, the rigid breakdown tests conducted by independent laboratories. The Electrical Testing Laboratories has made thorough tests on this unit and has convinced

us that this unit can be placed on the market with the same feeling of confidence as experienced on the 300-500 watt size.

The Commodore "One Thousand" offers excellent lighting with a total absence of glare. Low surface brightness and high overall efficiency are combined in this latest Wakefield product to produce a unit that is ideal for department stores, display rooms, large office spaces or any other high ceilinged room. By varying the degree of ornamentation the Commodore can be used in any installation requiring fine illumination.



ROYAL COMMODORE



# 300 - 500 WATT COMMODORE



*Designed by Van Doren & Rideout*



# LIGHTING WITH PLASKON

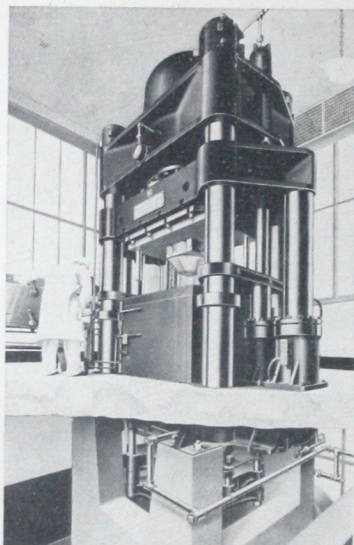
The history of plastics as applied to modern lighting is the story of the research conducted by the F. W. Wakefield Brass Company in conjunction with the Mellon Institute of the University of Pittsburgh, the Plaskon Company, Inc., and the General Electric Company. Starting with the Ivoryglow reflector early in 1932. The F. W. Wakefield Brass Company quickly realized the advantages of Plaskon over glass and metal units.

There are several types of molding plastics on the market but Plaskon has been used in each new development because of its unusual properties and its unfailing ability to meet the standards that we require.

We are firmly convinced that there is no other type of material yet developed that offers as many of the following properties:

1. High ratio of weight to strength.
2. Resiliency or ability to withstand sudden shock without permanent deformation or rupture.
3. Resistance to corrosion.
4. Resistance to high heat.
5. Lightness.
6. Uniformity of structure and color.
7. Permanence of properties.
8. Decorativeness.
9. High overall efficiency with low surface brightness.

These moldings, requiring as they do a pres-



sure up to seventeen hundred tons (equivalent to the weight of 22,000 persons), are produced on the press illustrated on this page. This giant plastic molding press is operated by hydraulic rams and is capable of producing a maximum pressure of 1750 tons. The tool steel required to make the die weighed 8 tons, and yet the molded reflector in the 300-500 watt size weighs only 18 ounces.

The reflector of this new unit comes from the press with a mirror bright surface that is incidental without additional

labor. The molding compound which is put into the press in a powdery form is steam heated to the temperature of 300 degrees Fahrenheit at which temperature and under pressure it becomes a liquid—not in the sense that it resembles water, but that it becomes fluent and will run into the shape of the mold when the maximum pressure is applied. An irreversible chemical reaction takes place in which the urea-formaldehyde polymerizes forming an insoluble, infusible compound.

The unusual richness and purity of the Commodore reflector, its water, acid and grease resistance, strength, durability and beauty are qualities that go to make the Commodore Line the unusual lighting merchandise that it is.



# 200 - 300 WATT COMMODORE





# ILLUMINATION CHARACTERISTICS

In this report rendered by the Electrical Testing Laboratories, an overall efficiency of 83% was secured for the 300-500 watt Commodore. The maximum brightness of the reflecting bowl is 1.4 candle power per square inch.

A special reflector, designated as No. FPM8534 is available. This reflector has the unusually low maximum surface brightness of 0.4 candlepower per square inch with an overall efficiency of 82.5%. Further information and Electrical Testing Laboratories tests will be furnished on application.

These tests mean that the Commodore is probably the most efficient in the field, combining low surface brightness, low downward output with high efficiency and at the same time giving a well distributed and non-focused lighting result.

## ELECTRICAL TESTING LABORATORIES

REPORT NO. 135674

NEW YORK, N. Y.

ORDER NO. 80555-3

PLATE NO. 28446

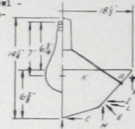
### CANDLEPOWER DISTRIBUTION

#### COMMODORE UNIT

Rendered to The F. W. Wakefield Brass Company

One unit submitted by client.

Lamp - 500 Watts, 115 Volts, 9900 Lumens;  
 P540 Inside Frosted Gas-Filled Bulb; C-7A  
 Filament; Mogul Base, General Service.  
 Description of bowl -  
 Composition material.



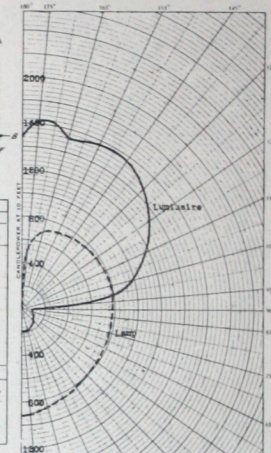
LUMINAIRE DISTRIBUTION DATA					
Main Terminal					
Beam Angle	Lumens	Foot Candles	Foot Candles	Foot Candles	Foot Candles
180°	1490	152	85	92	108
175°	1850	152	85	92	108
165°	1850	436	73	90.8	98
155°	1850	725	63	109	108
145°	1860	980	55	189	116
135°	1470	1142	45	150	116
125°	1380	1172	35	164	103
115°	1120	1141	25	183	88
105°	880	1030	15	194	55
95°	455	889	5	208	19
90°				208	

#### LIGHT FLUX VALUES

Beam Angle	Lumens	Foot Candles	Foot Candles	Foot Candles	Foot Candles
0°-60°	5560	494	8		
0°-90°	5012	803	8		
90°-180°	4778	7255	78	83	
0°-180°	9792	8130	83		

#### LUMINAIRE BRIGHTNESS

Beam Angle	Lumens	Foot Candles	Foot Candles	Foot Candles	Foot Candles
0°-60°	5560	494	8		
0°-90°	5012	803	8		
90°-180°	4778	7255	78	83	
0°-180°	9792	8130	83		



LOCATION	A	B	C	D	E	F	G	H	I	J	K	L	M
SP. PER SQ. IN.	0.8	0.5	1.1		1.4	0.5	1.2	1.1	1.3		0.5	1.3	

TESTED BY: *W. J. L.* PLANNED BY: *W. J. L.* CHECKED BY: *W. J. L.* DATE: December 28, 1935.  
 APPROVED BY: *W. J. L.* IN CHARGE OF TEST: *C. J. H.*



Report No. 138248

-2-

## Results of Test

### Aging Test

Start of test - 9:00 a.m., June 20, 1936  
 End of test - 12:00 Noon, July 18, 1936  
 Elapsed time - 28 days  
 Average room temperature - 121 F

#### Luminaire No. 4635

Average Temperature Rise Above Room Temperature, F

Couple Position	Temp. Rise, F
Rim No. 1	12.5
2	24.5
3	22.5
4	27.5
5	24.5
6	34.0
7	29.0
8	36.5
9	38.5
10	42.0
11	38.0
12	43.0
13	37.5
14	43.5
15	35.5
16	42.5
17	48.0
18	49.5
19	50.5
20	52.5
21	56.5
22	53.0
23	53.5
24	53.0
Center	49.0

Lamp used - 500 watt clear bulb, mogul base.

Note: The odd numbered couples are located along the rib. The even numbered couples are located midway between ribs.

### Discoloration

There was no apparent discoloration as a result of the aging test.

Checked by: *W. J. L.*

## AGING TESTS

Since this company has done the pioneering work in the application of plastics to lighting, it authorized Electrical Testing Laboratories, an independent laboratory, to suggest strenuous breakdown tests on the Commodore. In all of these tests conducted by the Electrical Testing Laboratories, Plaskon Company, Inc., and the General Electric Company, not one failure was reported. One of these tests proved that the unit would show no signs of discoloration when operated for 28 days in a room temperature of 121 degrees. A page from this report is reproduced here.

A workmanship installation, with the usual maintenance care, insures a superior lighting job for years to come.





## COMMODORE DEMONSTRATOR

The Commodore Demonstrator illustrated here is available as extra equipment to aid in the introduction of the Commodore Luminaire. It is always advisable in selling to show the prospect not only what your proposition is but also what it does. Since the Commodore is constructed of light weight material, the complete unit a light can be placed on the prospective customers ceiling. Doing away with the cost of installing a sample unit, this demonstrator allows the customer to visualize the results of a permanent installation.

The kit consists of a complete Commodore unit, wired with a cord extension of ample length. A rod, made up of telescopic sections, is easily assembled to the desired length so that it is suitable for demonstration on ceilings in almost any store or office.



## LAMP SHIELD

In large rooms with low ceilings, the use of the illustrated shield is recommended. This shield eliminates completely any bright spot showing below the husk of the fixture when the unit is alight. It rests lightly upon the three supporting wires of the reflector, always in place and easily installed or removed. This method, which is the only method approved by the incandescent lamp manufacturers, is less likely to cause lamp failures than when the husk extends downward over the lamp neck.

### PURCHASE INFORMATION

The standard finish of the Commodore hangers is Satin Aluminum but Polished Chromium can be supplied at no extra charge. For cost of special finishes, write the factory for a quotation, giving the quantity and type of units involved.

All hangers are wired, but can be supplied unwired, wire included at no extra charge.

Individual control switches can be supplied on factory order. These hangers can also be supplied with Three Light Socket and Canopy Switch. Specify "With Three Light Socket

and Canopy Switch," and give order of switching desired.

On large shipments there is an economy in bulk packing. Prices on application when quantities are given.

A special dense white reflector with surface brightness less than  $\frac{1}{4}$  C. P. per square inch is available on factory order. Specify "With Dense Bowl."

The thousand watt unit can be supplied with bi-post socket construction for use with T-24 Bulb.

Commodore units should be used only with lamps of the wattage specified.

Stock Number and Description	Diameter of Reflector	Socket	Length Overall	Standard Wt.	Package Quanc.
Miniature Commodore	2 3/4"	Min.	4"		
200-300 W. Commodore	15 1/2"	Mog.	28"	24	4
300-500 W. Commodore	18 3/8"	Mog.	34"	8 1/2	1
750 W. Plain Commodore	26 1/2"	Med.	48"	55	4
750 W. Royal Commodore	26 1/2"	Mog.	48"	60	4
1000 W. Plain Commodore	26 1/2"	Mog.	48"	55	4
1000 W. Royal Commodore	26 1/2"	Mog.	48"	60	4
1500 W. Plain Commodore †	26 1/2"	Mog.	48"	55	4
1500 W. Royal Commodore †	26 1/2"	Mog.	48"	60	4

Lamp Shield for 300-500 W. Commodore .....

Demonstrator Kit for 300-500 W. Commodore .....

† Includes Alumilite Lamp Shield.



## THE FOUR STEPS OF A DEMONSTRATION



Lighting salesman enters prospective customer's office with a complete Demonstrator in one hand. Lightness permits its being carried from office to office without fatigue.



Equipped with a Sight Meter, the salesman, within a few seconds, is ready to place the unit on the ceiling.



A "fish pole" is assembled to the length required by the ceiling's height and the extension cord is plugged into a convenient outlet. While the prospective customer tests the lighting results with the Sight Meter, the salesman can give the sales points of the Commodore.



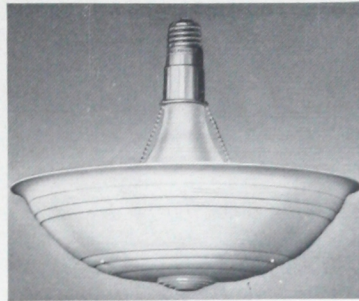
With very little effort the complete unit is held firmly against the ceiling and the result of a permanent installation is approximated.



# IVORYGLOW



SRIG 100



IG 100



CIG 100

Made from Plaskon, the Wakefield Ivoryglow reflector was the first of the plastic units developed by this company, culminating in the Commodore "One Thousand." The bowl of this reflector is 11 1/4" in diameter.

As is clearly shown in the illustration, the Ivoryglow is a semi-indirect unit suspended by a bead chain from the socket adapter. The socket suspension permits the use of any lamp from 75 to 150 watts. The Ivoryglow was developed to supply the wide demand for a reflector unit of the What-a-Lite type suitable for the best class of homes. Our research led us finally to select Plaskon as the material, with results far beyond our most sanguine hopes.

The Ivoryglow is startlingly beautiful. Alight, it suggests a bowl of translucent ivory. There is a softness of texture in the reflector itself—a vivid, glowing, yet low-toned quality to the resultant illumination. It is difficult to describe the Ivoryglow's remarkable combination of rich beauty, simple dignity, harmonious color effect and permeating illumination, identical with that which is obtained with the Standard Commodore. A sample unit adequately lamped is a revelation in moderate cost home lighting possibilities.

The market for the Ivoryglow is far different from the What-a-Lite market. The Ivoryglow is designed to give good semi-indirect illumination to that large class of minimum-bill electric light customers who can not purchase modern lighting fixtures involving installation expense. The Ivoryglow is a piece of lighting merchandise conceived in the belief that literally millions of living rooms and bedrooms in homes of today are lighted with outmoded and unsatisfactory equipment and that these homes can now be sold modern lighting at a moderate price.

## PURCHASE INFORMATION

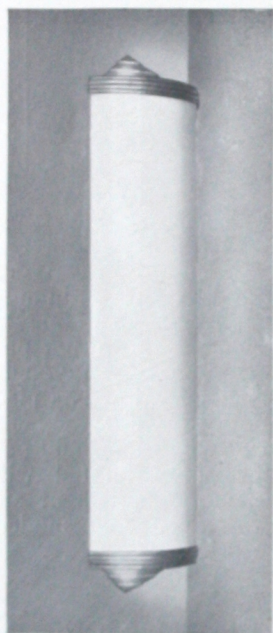
The Ivoryglow consists of a translucent Plaskon bowl giving excellent semi-direct illumination when adequately lamped. The Ivoryglow is of the highest grade materials and careful workmanship, conscientiously inspected and packed in individual cartons. It is a typical "Red Spot" product.

Each type is supported by bead chain attached to an adapter socket having a ferrule which prevents improper use of any lamp of less than 60 watts.

Catalog Number	Finish	Description	Recommended Wattage	Standard Package	
				Wt.	Quant.
IG-100	Brass	Adapter Suspension	75-100-150	33	12
CIG-100	Ivory and Brass	Ceiling Unit	75-100	36	12
CIG-100	Ivory and Chrome	Ceiling Unit	75-100	36	12
SRIG-100	Ivory and Brass	Suspension Unit	60-150	38	12
SRIG-100	Ivory and Chrome	Suspension Unit	60-150	38	12



# THE LUMILIER



P-18"

Combining the decorative features of molded Plaskon with a semi-cylinder of opal glass, the new Lumilier adds another architectural possibility to the wide range of uses for the Lumiline lamp. A distinctive feature of this unit over others, as far as we know, is that the end caps glow with a warm diffused light, thereby making it luminous throughout. The beauty of the Lumilier can not be overestimated, especially when it is lighted. The end caps of this new design are molded from translucent Plaskon, varying in thickness, which gives an added decorative effect not available in other types of equipment using metal or other opaque material.

This section accommodates the 17 $\frac{3}{4}$ " size Lumiline lamp in either the 30 watt or 60 watt intensity. The 12" section accommodates the 11 $\frac{3}{4}$ " lamp in the 40 watt size

By providing a larger transmitting surface, this section prevents any possibility of high surface brightness. Because of the stretched coil filament which extends from one end to the other the opal glass surface is illuminated with equal intensity and has none of the "spottiness" which would result if any other type lamp were used.

The Lumilier measures 4" wide, the radius of the semi-cylinder being 2". The P-12 is 14 $\frac{1}{2}$ " overall and the P-18 is 20 $\frac{1}{2}$ " overall.

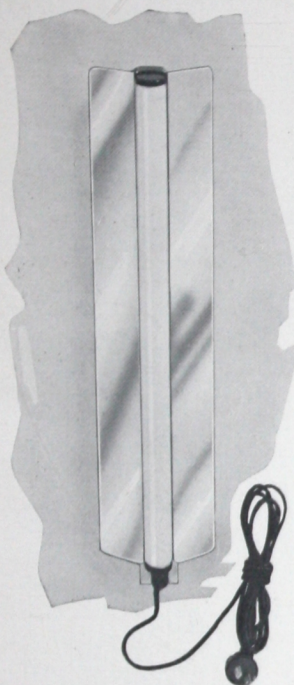
The Lumilier can be applied to any flat surface, wall or ceiling, vertically or horizontally, and can be used for illumination or purely decorative purposes.

The Lumilier can be applied to any flat pastel green, ivory, coral or blue Plaskon. Ivory will be supplied unless other colors are specified.

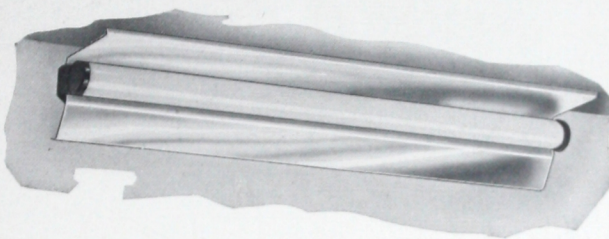
Catalog Number	Length Overall	Standard Package	
		Wt.	Quant.
P-12"	14 $\frac{1}{2}$ "	12	12
P-18"	20 $\frac{1}{2}$ "	18	12



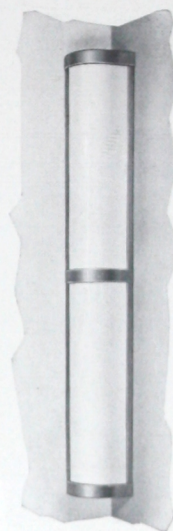
## LUMILINE REFLECTORS



TYPE B



TYPE C



TYPE L

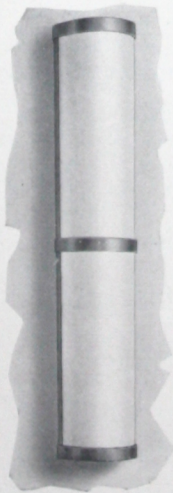
lamps and made them standard equipment. Because they add so much to the lighting repertory of architects and lighting specialists, our interest in their possibilities has led us into production of a complete line.

Lumiline lamps are linear light sources, employing a single stretched coil filament drawn out into a continuous line from one end contact cap to the other. Used end to end the lamps produce the effect of a continuous line of light. The contact points make a brief and scarcely noticeable interruption to the continuity of the line.

The lamps may be had in either of two degrees of brightness. One degree of brightness is produced by either the

Since the first announcement of these new linear light sources, there has been an increasing evidence of their versatility. But as their architectural use was materially retarded by the lack of reflector equipment, the F. W. Wakefield Brass Company developed a complete new series of Lumiline Reflectors for use with these

40 watt 11 $\frac{3}{4}$ " size or by the 60 watt 17 $\frac{3}{4}$ ". A lower degree of brightness is produced by the 30 watt 17 $\frac{3}{4}$ " size. They are available in clear glass or in a line of pastel tints admirably suited for creating luminous patterns.



TYPE N

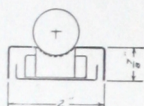
Illustrated above is Type C for use under cabinets or shelves below eye level. Types L and N in which the Lumiline Lamp is shaded with a translucent sheet give added decorative effects not available from the bare lamp.

All visible metallic parts are finished in a highly polished chromium.

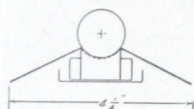
Type B illustrated above is shown with cord and plug, available at a slight extra charge.



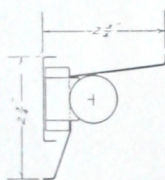
# LUMILINE REFLECTORS



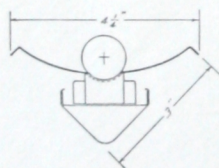
Type A



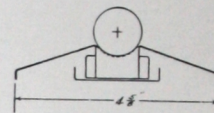
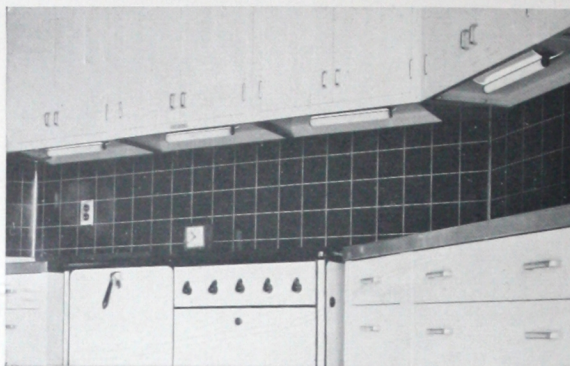
Type B



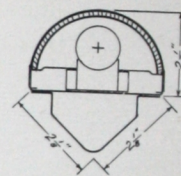
Type C



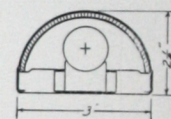
Type D



Type E



Type L



Type N

When new patterns for luminous elements in the interiors or exteriors of buildings are to be created, the illustrated cross section of the various types of reflector-holders will offer interesting opportunities in the development of such work. These types and forms may be easily adapted to any plan for built-in lighting, not only where space limitations necessitate a tubular source, but where a new type of light source is desirable.

Lumiline Reflectors can be used beside mirrors, as wall brackets, as showcase and wall case illuminants, or for purely decorative purposes. A list of some of the suggested uses of these reflectors is here given. Additional uses are limited only by the degree of ingenuity of the specifier.

Type A: For surface, ceiling, or wall design and built-in troughs where width is at a premium.

Type B: For mirror lights or wherever a line of light is desired. Can be easily hung from wall with pin or nail.

Type C: For under cabinets or shelves below eye level.

Type D: For use in corners or between ceiling and wall.

Type E: For surface, ceiling, or wall designs where reflector is used as part of the

decorative scheme or where a wide reflector is required to cover outlet box.

Type L: An enclosed cover type for wall corners or between ceiling and wall.

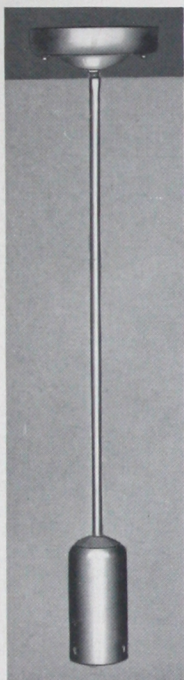
Type N: An enclosed surface type for wall or ceiling designs.

Lumiline lamps are not included with the reflectors. Lumiline reflectors can be used singly or in continuous lines. Grounders for connecting end to end are included with every order. Metal end caps can be supplied at a slight extra charge.

Catalog Number	Standard Wt.	Package Quant.		Catalog Number	Standard Package	
					Wt.	Quant.
A-12"	10	12		A-18"	15	12
B-12"	10	12		B-18"	15	12
C-12"	10	12		C-18"	15	12
D-12"	10	12		D-18"	15	12
E-12"	10	12		E-18"	15	12
L-12"	12	12		L-18"	18	12
N-12"	13	12		N-18"	19	12



# SCREWLESS POLISHED CHROMIUM HANGERS - 1700 LINE



1774 A

Polish chromium hangers when used with efficient glass-ware give excellent illumination for sombre interiors. At the same time, the bright chromium finish gives a pleasing modern appearance to the room in which they are installed.

Given below are descriptions of Semi-Rigid and Chain hangers and Ceiling units in both Polished Chromium and Statuary Bronze finishes. Polished Chrome is considered as standard finish on this line and will be supplied unless Statuary Bronze is specifically mentioned. Satin Chromium can be supplied at 10% extra.

These hangers are of excellent workmanship and are entirely suited to installations for which they are intended. The Chrome plating on this line is of unusually high quality.

These hangers can be supplied with Three Light Socket and Canopy Switch. When ordering specify "With Three Light Socket and Canopy Switch," and give order of switching desired.

Twin Sockets wired for two circuits are available for Emergency Lighting.

Individual control switches can be supplied on factory order.

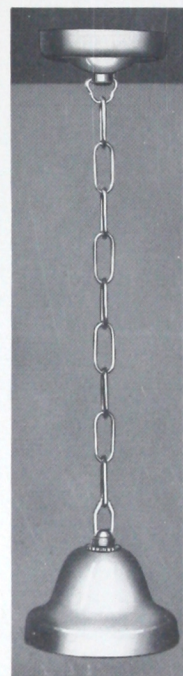
For cost of special finishes write the factory for a quotation giving the quantity and



1761 A

type of fixture involved.

A set of bead chains for supporting the reflecting bowl is supplied with each open bowl hanger.



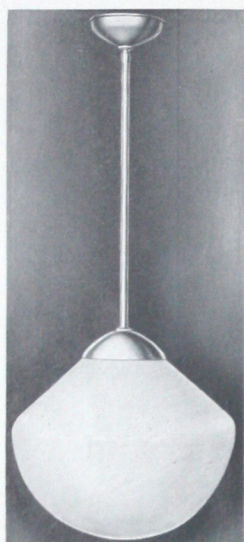
1760 A

The 1000 watt hangers can be supplied with bi-post socket construction for use with T-24 lamp.

Catalog Number	Finish	Size Fitter	Description	Length Overall	Socket	Standard Package	
						Wt.	Quant.
1741A	Stat. Bronze	4"	Ceil. Unit	5 1/2	Med.	20	12
1761A	Stat. Bronze	6"	Ceil. Unit	5 1/2	Med.	30	12
1761B	Stat. Bronze	6"	Ceil. Unit	5 1/2	Mog.	34	12
1740A	Stat. Bronze	4"	Chain Susp.	24	Med.	30	12
1760A	Stat. Bronze	6"	Chain Susp.	24	Med.	36	12
1760B	Stat. Bronze	6"	Chain Susp.	24	Mog.	41	12
1744A	Stat. Bronze	4"	Semi-Rigid	24	Med.	30	12
1764A	Stat. Bronze	6"	Semi-Rigid	24	Med.	36	12
1764B	Stat. Bronze	6"	Semi-Rigid	24	Mog.	41	12
1774A	Stat. Bronze	200-300W	Open Bowl	24	Med.	24	12
1794B	Stat. Bronze	300-500W	Open Bowl	24	Mog.	28	12
1714B	Stat. Bronze	1000 W	Open Bowl	24	Mog.	30	12
1741A	Pol. Chrome	4"	Ceil. Unit	5 1/2	Med.	20	12
1761A	Pol. Chrome	6"	Ceil. Unit	5 1/2	Med.	30	12
1761B	Pol. Chrome	6"	Ceil. Unit	5 1/2	Mog.	34	12
1740A	Pol. Chrome	4"	Chain Susp.	24	Med.	30	12
1760A	Pol. Chrome	6"	Chain Susp.	24	Med.	36	12
1760B	Pol. Chrome	6"	Chain Susp.	24	Mog.	41	12
1744A	Pol. Chrome	4"	Semi-Rigid	24	Med.	30	12
1764A	Pol. Chrome	6"	Semi-Rigid	24	Med.	36	12
1764B	Pol. Chrome	6"	Semi-Rigid	24	Mog.	41	12
1774A	Pol. Chrome	200-300W	Open Bowl	24	Med.	24	12
1794B	Pol. Chrome	300-500W	Open Bowl	24	Mog.	28	12
1714B	Pol. Chrome	1000 W	Open Bowl	24	Mog.	30	12



# AIRFLOW UNITS



2264 A

Wakefield Airflow Units were designed in keeping with today's trend towards streamlining. Modern engineers are eliminating sharp edges and curves and producing in their stead designs of great grace and beauty. This is what Wakefield engineers in conjunction with the Macbeth-Evans Glass Company have done with these units.



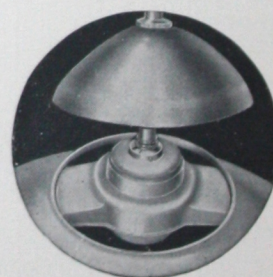
2261 A

This Airflow Series was developed for use within interiors whose ceilings are not of the proper type to stand the high, revealing intensities given by the open bowl type of unit. Hangers of this series are equipped with the most reliable holding device which does away with the possibility of the glassware falling from the result of expansion and are suitable for use with most kinds of "neckless" glassware. The glassware illustrated is available through the numerous jobbers of the Macbeth

Evans Division of the Corning Glass Works, and is their catalog number 12215 neckless. These hangers, however, can also be supplied with a special cover shell for use with "neck" glassware on factory order.

Hangers are listed wired but can also be furnished unwired if desired. This series is manufactured from aluminum and given a permanent Satin Aluminum Finish.

These hangers can be supplied with Three Light Sockets and Canopy Switch. When ordering specify "With Three Light Socket and Canopy Switch" and give order of switching desired. Individual control switches can be supplied on factory order. For cost of special finishes write the factory for a quotation giving the quantity and type of fixtures involved.



Catalog Number	Description	Length Over-All	Socket	Standard Package	
				Wt.	Quant.
2261A	Ceiling Unit	5 1/2"	Med.	16	12
2261B	Ceiling Unit	5 1/2"	Mog.	18	12
2264A	Semi-Rigid	24"	Med.	17	12
2264B	Semi-Rigid	24"	Mog.	21	12



# WAKEFIELD

## INDIRECT "X" UNITS

The totally indirect "X" units are designed for high overall efficiency for use with either standard Mazda lamps or silvered bowl lamps from 200 to 500 watt size. By actual tests, these units are 89.4% efficient.

The "X" Line units consist of an aluminum hanger and reflecting bowl attractively finished in Satin Aluminum. A polished aluminum shield takes the place of the elongated husk usually found in this type of equipment, permitting the light formerly entrapped in this part of the fixture to be utilized. This construction is responsible for the "X" series' high efficiency. The louvre is an integral part of the unit and rests on the three supporting chains of the reflector.



The interior of the reflector is standardly supplied with a white enamel reflecting surface so that either standard lamps or silvered bowl lamps can be used interchangeably.

These units can be supplied with three light socket and canopy switch.

When ordering, specify "With Three Light Socket and Canopy Switch," and give order of switching desired. Individual control switches can also be supplied on factory order.

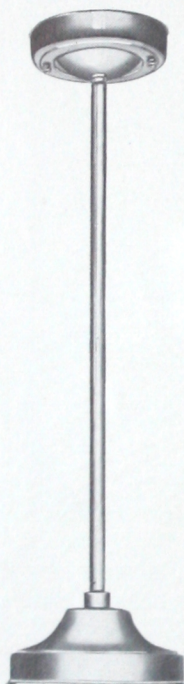
Special units with bi-post socket construction are available for 750 to 1000 watt bi-post lamps. These accommodate lamps No. T-24 in both 750 and 1000 watt sizes.

Catalog Number	Length Overall	Socket	Recommended Wattages	Standard Wt.	Package Quant.
X-200-300	24"	Med.	200-300	20	4
X-300-500	30½"	Mog.	300-500	29	4
X-750-T-24	36"	Bi-post	750	33	4
X-1000-T 24	36"	Bi-post	1000	33	4



# SCREWLESS PRICE HANGERS

1000 LINE : : : : : : : :



G 1064 BT

The canopies and holders of the Screwless Price Hangers are manufactured from heavy gauge steel, copper plated and permanently finished in Statuary Bronze. All hangers are supplied with a bridge and two adjustable nuts for mounting of fixture studs. Canopies are provided with a knockout for canopy switch.

In the hanger types the glassware is supported by means of two heavy steel wings which fit inside the globe, and in the ceiling types three wings are welded into position to provide a safe and secure means of holding the glassware in place.



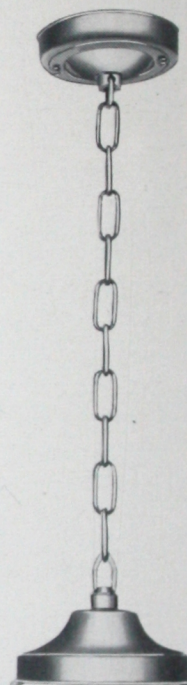
G 1061 AT

Canopies on the chain and semi-rigid types are 5" in diameter and on the ceiling types 5 7/8" in diameter. Hanger types are standardly supplied 30" overall. For cost of extra lengthening, see costs sheets. Holders



Holding Device

on all types have rolled bead edges. Slip ring canopies can be supplied at a slight extra charge. All hangers are wired complete, but can be supplied unwired with wire included at no extra charge. Three light socket



G 1060 BT

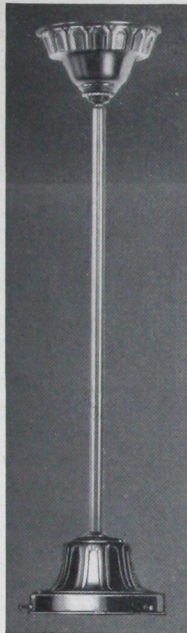
and canopy switch can be supplied on factory order. Specify "With Three Light Socket and Canopy Switch," and give order of switching desired.

Every item carries the label service of the National Board of Fire Underwriters.

Catalog Number	Size Fitter	Description	Length Overall	Socket	Standard Package	
					Wt.	Quant.
G1041AT	4"	Ceiling Unit	4 3/4"	Med.	16	12
G1061AT	6	Ceiling Unit	4 3/4"	Med.	18	12
G1061BT	6	Ceiling Unit	4 3/4"	Mog.	23	12
G1040AT	4	Chain Susp.	30"	Med.	18	12
G1060AT	6	Chain Susp.	30"	Med.	19	12
G1060BT	6	Chain Susp.	30"	Mog.	23	12
G1044AT	4	Semi-Rigid	30"	Med.	23	12
G1064AT	6	Semi-Rigid	30"	Med.	24	12
G1064BT	6	Semi-Rigid	30"	Mog.	28	12

1000 Steel Chain, per foot





1964 A

## BRONZE EMBOSSED "RED SPOT" HANGERS - - 1900 LINE



1961 A

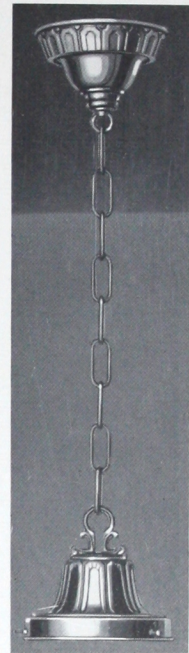
The 1900 line is a series of suspension, ceiling type and wall bracket fixtures with canopies and holders beautifully proportioned in genuine bronze. The ornamentation is simple, yet rich in its deep, sharp embossing and its lustrous, enduring finish.

Mechanical convenience has been emphasized in designing this series, which, by actual tests, can be installed in one third to one half the time required for ordinary fixtures. Without alteration on the job these fixtures are designed to be installed in a number of ways without sacrifice of strength or appearance. Canopies

slide out of the way for maximum ease in connecting and adjusting hangers or when repainting or redecorating of the ceiling is necessary.

Fixtures are listed wired but can also be furnished unwired if desired. Every item carries the label service of the National Board of Fire Underwriters.

These hangers can be supplied with Three



1960 A

Light Socket and Canopy Switch. When ordering specify "With Three Light Socket and Canopy Switch" and order of switching desired. Twin sockets wired for two circuits are available for Emergency Lighting. Individual control switches can be supplied on factory order.

For cost of special finishes see price sheet.

Catalog Number	Size Fitter	Description	Length Overall	Socket	Standard Package	
					Wt.	Quant
1921A	2 1/4"	Ceiling Unit	3 1/2"	Med.	16	12
1931A	3 1/4"	Ceiling Unit	4	Med.	17	12
1941A	4	Ceiling Unit	4 1/2"	Med.	18	12
1961A	6	Ceiling Unit	5 1/2"	Med.	26	12
1961B	6	Ceiling Unit	5 1/2"	Mog.	31	12
1981B	8	Ceiling Unit	6 1/2"	Mog.	25	8
1920A	2 1/4"	Chain Susp.	24	Med.	23	12
1930A	3 1/4"	Chain Susp.	24	Med.	25	12
1940A	4	Chain Susp.	24	Med.	26	12
1960A	6	Chain Susp.	24	Med.	31	12
1960B	6	Chain Susp.	24	Mog.	35	12
1980B	8	Chain Susp.	24	Mog.	58	12
1924A	2 1/4"	Chain Susp.	24	Med.	23	12
1934A	3 1/4"	Chain Susp.	24	Med.	25	12
1944A	4	Chain Susp.	24	Med.	27	12
1964A	6	Chain Susp.	24	Med.	31	12
1964B	6	Chain Susp.	24	Mog.	36	12
1984B	8	Chain Susp.	24	Mog.	60	12
1923A	2 1/4"	Bracket	7	Med.	21	12
1933A	3 1/4"	Bracket	7	Med.	23	12
1943A	4	Bracket	7	Med.	24	12

1900 Bronze Chain, per foot

1904 12 12" Bronze Extension Pieces with internal couplings and thread tap.



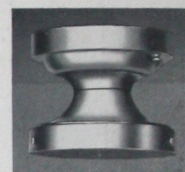
# PRICE HANGERS

## 1000 AND 1100 LINE



1160 B

The 1000 and 1100 lines are identical except as to gauge and metal from which they are manufactured. They are available with screw and screwless type holders. For other screwless hangers, refer to the 1700 and 1400 Lines. The Ten Hundred Line is made from heavy gauge steel, copper plated, and permanently finished in Statuary Bronze. The Eleven Hundred Line is made from 22 gauge Brass and is finished in Egg Shell Bronze. It is available also in 20 gauge by stating so on the purchase order and making an addition as shown on price sheet. Canopies on the chain and semi-rigid types are 5" in diameter and on the ceiling types 5 3/4" in diameter.



1061 A

All hangers are wired complete and can be supplied with Three Light Socket and Canopy Switch. When ordering specify "With Three Light Socket and Canopy Switch" and give order of switching desired. For cost of special finishes see price sheet.

Catalog Number	Size Fitter	Description	Length Overall	Socket	Standard Package	
					Wt.	Quant.
1041A	4"	Ceiling Unit	4 3/4"	Med.	16	12
1061A	6	Ceiling Unit	4 3/4"	Med.	18	12
1061B	6	Ceiling Unit	4 3/4"	Mog.	23	12
1040A	4	Chain Susp.	24	Med.	18	12
1060A	6	Chain Susp.	24	Med.	19	12
1060B	6	Chain Susp.	24	Mog.	23	12
1044A	4	Semi-Rigid	24	Med.	23	12
1064A	6	Semi-Rigid	24	Med.	24	12
1064B	6	Semi-Rigid	24	Mog.	28	12

### 1000 Steel Chain, per foot

Catalog Number	Size Fitter	Description	Length Overall	Socket	Standard Package	
					Wt.	Quant.
1141A	4"	Ceiling Unit	4 3/4"	Med.	17	12
1161A	6	Ceiling Unit	4 3/4"	Med.	19	12
1161B	6	Ceiling Unit	4 3/4"	Mog.	24	12
1140A	4	Chain Susp.	24	Med.	20	12
1160A	6	Chain Susp.	24	Med.	22	12
1160B	6	Chain Susp.	24	Mog.	24	12
1144A	4	Semi-Rigid	24	Med.	24	12
1164A	6	Semi-Rigid	24	Med.	26	12
1164B	6	Semi-Rigid	24	Mog.	31	12

### 1100 Brass Chain, per foot



## SCREWLESS "RED SPOT" HANGERS

### 1400 LINE



Fig. A



Fig. B



Fig. C



Fig. D

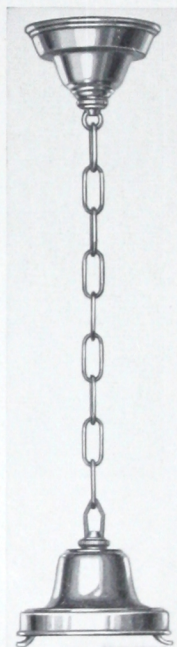
The 1400 line is a series of ceiling and suspension type hangers beautifully designed and made from brass. This line incorporates a toggle type screwless holding device giving the utmost in safety and ease of operation. These improvements in design and construction place the 1400 line far in advance of competitive material. A glance at the consecutive photographs tells how this simple but secure holding device is used.

In Figure A the strap goes on the ceiling and connections are conveniently made in the open. A lamp can be screwed into the socket as a temporary light if desired. Painting of the interior can then be finished without danger of spotting up the unit. The canopies and holders are then taken from their boxes as fresh and unsoiled as when they left the inspection table and are slipped over the strap as in Fig. B.

Next the supporting winged toggle screws on to the threaded metal cap which surrounds the socket. The fixture is then installed. This is illustrated in Fig. C. After lamping, slip the globe over the wide wings of the toggle and let hang as in Fig. D. Finally, slide the holder down the canopy neck. It fits the glass perfectly.

All units are wired but can be supplied unwired, wire included at no extra charge. The Standard finish is "Red Spot" bronze. For special finishes see price sheet.

Individual control switches can be supplied on factory order. These hangers can be supplied with Three Light Socket and Canopy Switch. When ordering specify "With Three Light Socket and Canopy Switch" and give order of switching desired. Twin sockets wired for two circuits are available for Emergency Lighting.



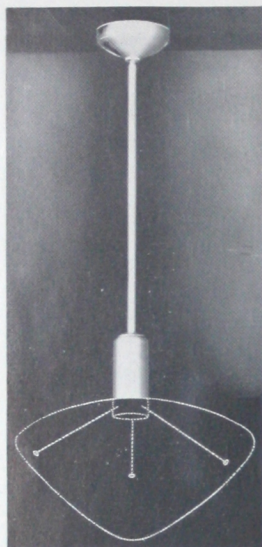
1460-A

Catalog No.	Size Fitter	Description	Length Overall	Socket	Std. Pkg.		
					Wt.	Quan.	
1441A	4"	Ceiling Type	5"	Med.	20	12	
1461A	6	Ceiling Type	5 1/4	Med.	30	12	
1461B	6	Ceiling Type	5 1/4	Mog.	34	12	
1481B	8	Ceiling Type	6 1/2	Mog.	20	8	
1440A	4	Chain Susp.	24	Med.	30	12	
1460A	6	Chain Susp.	24	Med.	36	12	
1460B	6	Chain Susp.	24	Mog.	41	12	
1480B	8	Chain Susp.	24	Mog.	60	12	
1444A	4	Semi-Rigid	24	Med.	30	12	
1464A	6	Semi-Rigid	24	Med.	36	12	
1464B	6	Semi-Rigid	24	Mog.	41	12	
1484B	8	Semi-Rigid	24	Mog.	32	8	

1400 Brass Chain, per foot



## OPEN BOWL HANGERS



The Open Bowl Hanger was developed to meet a growing demand for this type of unit. The contours of the husk, stem and canopy of the Wakefield Open Bowl hanger are designed to give the greatest possible mechanical strength as well as refinement and simplicity in appearance.

Into these hangers has been built the usual Wakefield quality of materials and workmanship. Its sturdy construction, yet graceful and entirely modern appearance, permits this hanger to be used with any type of reflector, no matter how heavy, simple or ornate it may be. Reflecting bowls for this hanger are being produced by almost every glassware manufacturer.

The hanger is 24" overall and is supplied complete with 8 1/8" supporting chains and is of semi-rigid type.

Individual control switches can be supplied on factory order. These hangers can also be supplied with the Three Light Socket and Canopy Switch. When ordering specify "With Three Light Socket And Canopy Switch" and give order of switching desired. The 1000 watt hanger can be supplied with bi-post socket construction for use with T-24 lamp.

The standard finish is Satin Aluminum, but Red Spot Bronze can be furnished at no extra cost. For cost of special finishes see price sheet.

Catalog Number	Description	Length Overall	Socket	Standard Package	
				Wt.	Quant.
2174A	Open Bowl Semi-Rigid	24"	Med.	18	12
2194B	Open Bowl Semi-Rigid	24"	Mog.	23	12
2114B	Open Bowl Semi-Rigid for 1000 W. Lamp	24"	Mog.	24	12

## COUNTER LIGHTING EQUIPMENT

Counter Lighting has become an important factor in the lighting of store interiors. The most important use is to overcome the abrupt change in the level of illumination between daylight outdoors and the artificial light indoors. As the customer enters the store, the pupil of the eye requires a certain length of time to adjust itself to the lower intensity of the general lighting. During this time the customer has walked fifty to one hundred feet with the result that some of the displayed merchandise, unless highly illuminated, is viewed under very unfavorable conditions for attracting attention. This sharp change in levels of illumination can be eliminated by the proper type of counter lighting. For average conditions, 100 watt lamps placed on three foot centers will accomplish the desired results.

Due to the wide variety of counters, we have

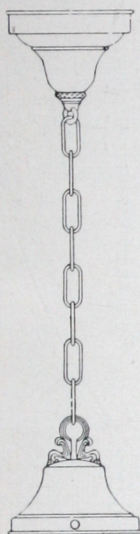


not attempted to list any particular types but are relying upon our customers to present their lighting problems to us and to let our engineers prescribe the proper type of equipment.



# STANDARD BRASS HANGERS

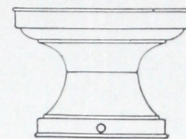
## 1300 LINE



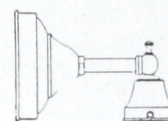
Typical Chain  
Suspension

All units listed in the 1300 line are made from 22 gauge brass finished in Egg Shell Bronze. Solid brass chain is used throughout. All units are wired but can be supplied unwired, wire included, at no extra charge. Every item carries the National Board of Fire Underwriter's label service.

Individual control switches can be supplied on factory order. These hangers can be supplied with the Three Light Socket and Canopy Switch. When ordering specify "With Three Light Socket and Canopy Switch" and give order of switching desired. Twin sockets wired for two circuits are available for Emergency Lighting. For cost of special finishes see price sheet.



Typical  
Ceiling  
Type



Typical  
Side-Wall  
Bracket  
Type

Catalog Number	Size Fitter	Description	Length Overall	Socket	Standard Package	
					Wt.	Quant.
1321A	2 1/4"	Ceiling Type	3 1/2"	Med.	14	12
1331A	3 1/4"	Ceiling Type	4	Med.	15	12
1341A	4"	Ceiling Type	4 1/2	Med.	18	12
1361A	6"	Ceiling Type	5 1/2	Med.	29	12
1361B	6"	Ceiling Type	5 1/2	Mog.	34	12
1381B	8"	Ceiling Type	6 1/2	Mog.	20	8
1320A	2 1/4"	Chain Susp.	24	Med.	23	12
1330A	3 1/4"	Chain Susp.	24	Med.	25	12
1340A	4"	Chain Susp.	24	Med.	27	12
1360A	6"	Chain Susp.	24	Med.	31	12
1360B	6"	Chain Susp.	24	Mog.	35	12
1380B	8"	Chain Susp.	24	Mog.	60	12
1324A	2 1/4"	Semi-Rigid	24	Med.	23	12
1334A	3 1/4"	Semi-Rigid	24	Med.	24	12
1344A	4"	Semi-Rigid	24	Med.	27	12
1364A	6"	Semi-Rigid	24	Med.	31	12
1364B	6"	Semi-Rigid	24	Mog.	36	12
1384B	8"	Semi-Rigid	24	Mog.	27	8
1323A	2 1/4"	Wall Bracket	7	Med.	19	12
1333A	3 1/4"	Wall Bracket	7	Med.	20	12
1343A	4"	Wall Bracket	7	Med.	21	12

1300 Brass Chain, per foot



## WAKEFIELD SEMI-INDIRECT LIGHTING UNITS

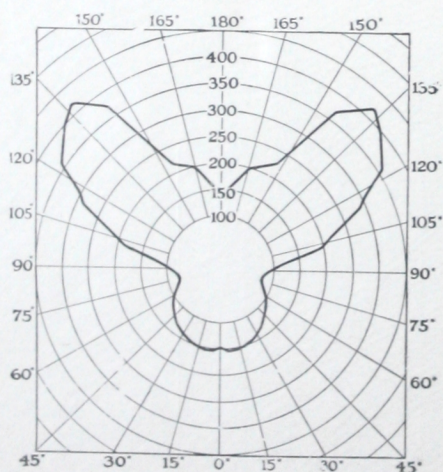


C &amp; G 500

Our intention in offering this line of Wakefield Semi-Indirect Lighting Units is to supply equipment of the highest technical excellence in such visual variety as will satisfy not only the architectural conditions of the building but the personal preference of the owner. Both ceiling and suspension units are solid brass, artistically designed and ornamented, of high illuminating efficiency, and finished in "Red Spot" bronze.

After consultation with the foremost illuminating engineers, it was found that the most desirable distribution of light from this type of unit is approximately two-thirds upward and one-third downward. As indicated by the curve the Wakefield Semi-Indirect units closely approach this ideal, with a 55% output in the 90 degree to zenith zone and 21% in the nadir to 90 degree zone.

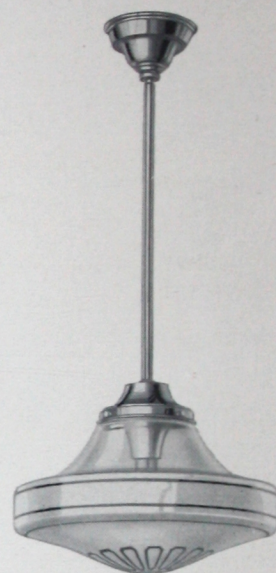
This efficiency is net because, when equipped with a 500 watt clear lamp, it has a bowl brightness of only three candle power per square inch, with resultant total absence of glare. Being totally enclosed the loss in efficiency from the accumulation of dirt is extremely small. This is a point which cannot be stressed too much because when a lighting



installation is made, it is expected to serve for several years satisfactorily. The results obtained in the first week of service have very little bearing on the remainder of the time in use.

Globe supporting rings and arms are an essential part of 1000 watt suspension units. The globes for these units are 21" in diameter and weigh about 25 pounds. It is dangerous practice to support glassware of this size, weight and expense by holder screws alone, or any other means where the weight is carried on the neck of the globe.

We have, therefore, devised an entirely new method of suspension whereby the globe is cradled in four sturdy bracket pieces which support it from beneath. These brackets when unlocked by loosening a wing-nut slide out far enough to permit removal of glassware. In replacing, the globe is held in one hand, and the bracket slipped inward and relocked with the other—much quicker, simpler and safer than the holder screw method.



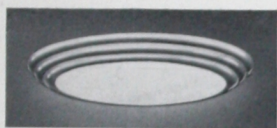
S &amp; G 500

Catalog Number	Description	Length Overall	Std. Wt.	Pkg. Quant.
<b>Ceiling Units 150 Watts to 500 Watts</b>				
C & G 150	Plain Hanger & Globe	12	8	1
C & G 200	Plain Hanger & Globe	16 1/2	14	1
C & G 300	Plain Hanger & Globe	16 1/2	14	1
C & G 500	Plain Hanger & Globe	19 1/2	27	1
<b>Suspension Units 100 Watts to 500 Watts</b>				
S & G 150	Plain Hanger & Globe	31	7	1
S & G 200	Plain Hanger & Globe	33	14	1
S & G 300	Plain Hanger & Globe	33	14	1
S & G 500	Plain Hanger & Globe	35 1/4	27	1
<b>Suspension Units—500-watt, 750-watt, 1000-watt</b>				
SR&G 1000	Embossed Hanger & Globe	59 1/4	37	1

Individual control switches can be supplied on factory order. These units can be supplied with the Three Light Socket. When ordering specify "With Three Light Socket and Canopy Switch," and give order of switching desired. Every item carries the label service of the National Board of Fire Underwriters.



# DOWNLIGHT SERIES



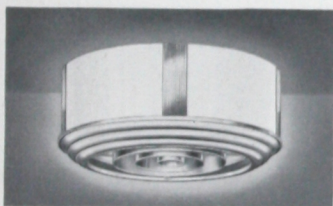
Type T



Type R



Type Q



Type U



Type V

This new series of Downlights is for use in interiors which require a high intensity of downward light on material displayed directly below the units. Intensities up to 75 foot-candles and over can be obtained with such equipment.

Types Q and T are for recessed installations in low ceilings or beneath balconies. Type T makes use of a flashed opal diffuser. These two types require a recessed pocket 5" deep x 11 $\frac{5}{8}$ " diameter with  $\frac{1}{2}$ " flange around lower edge.

Type V is for application directly on the ceiling. In addition to the high downward

component, light is also directed against the upper metallic section of the unit so that the unit itself is likewise luminous.

Type U is provided with luminous side panels of Formica.

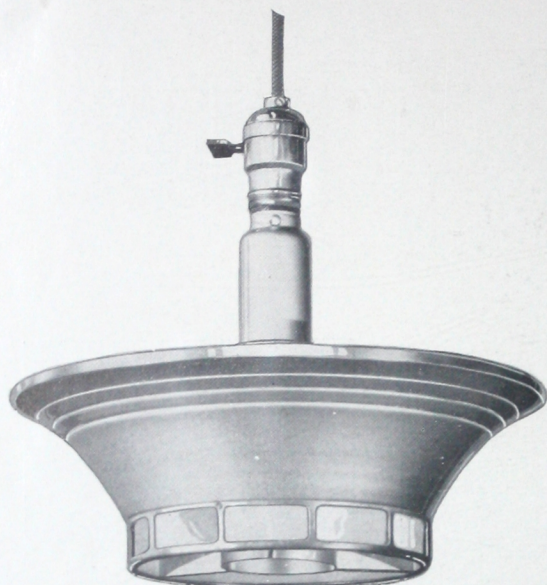
Type R is of semi-rigid hanger construction and can be obtained either with the louver as illustrated or with a prismatic glass plate. The overall length of this type is 36".

The diameter of the louver opening in each of these types is 10 $\frac{1}{4}$ ". Standard finish is Satin Aluminum. Reflectors are aluminum and are electro-chemically treated to insure a high reflection factor and long, efficient life.

Catalog Number	Recommended Wattages	Socket	Standard Wt.	Package Quant.
Q-150	150	Med.	26	12
T-150	150	Med.	35	12
V-200-300	200-300	Med.	42	12
U-200	200	Med.	50	12
R-200-300	200-300	Med.	44	12
R-300-500	300-500	Mog.	49	12



# THE "CATCHON" DOWNLIGHT

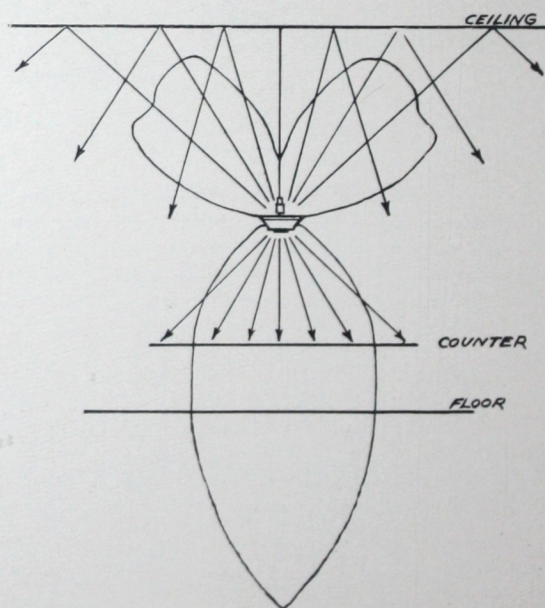


THE "CATCHON" DOWNLIGHT consists primarily of an aluminized reflector with an open bottom fitted with a louver permitting a large component of downward light. The unit therefore dispels darkness throughout the ceiling area and at the same time allows a high intensity of light to be directed on the goods displayed below the unit.

The "Catchon" Downlight features an entirely new design that is smart in appearance and yet gives a good light without glare. The

soft light passes through the translucent band at the lower edge of the reflector amply illuminating the exterior of the unit. A louver hides the lamp entirely from view when the unit is seen from the customer's angle.

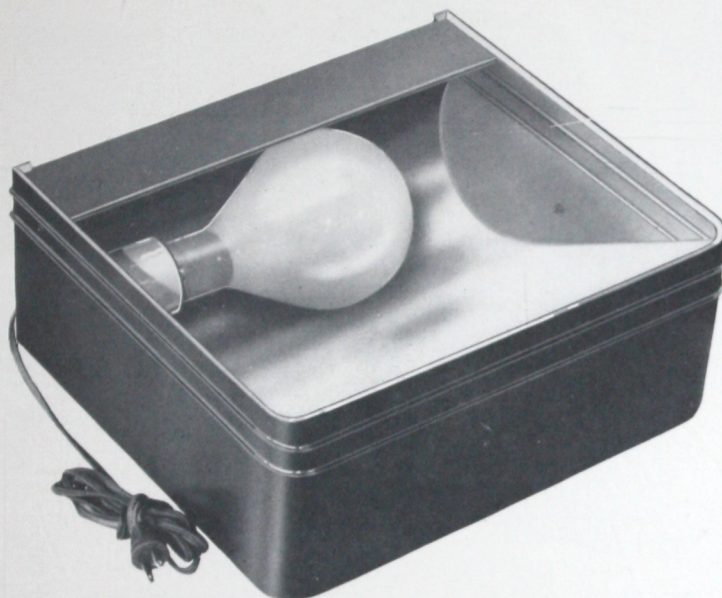
The "Catchon" Downlight is finished in satin aluminum; it is extremely light in weight and because of its design the unit maintains original efficiency throughout its entire life.



Catalog Number	Description	Dimensions	Socket	Standard Wt.	Package Quant.
W-200	200 W. Catchon Downlight	6 7/8" Bottom Dia. 12" Top Dia. 4" Deep	Medium	16	5
W-200-300	200-300 W. Catchon Downlight	6 7/8" Bottom Dia. 12" Top Dia. 4" Deep	Medium	16	5



# WALL CASE BOXLITE



**THE WALL CASE BOXLITE** has been designed as an added light source where the ceiling wiring is inadequate. It permits a marked increase in illumination levels throughout the store without the necessity of rewiring. The Boxlite has a subdued design so that it can be inconspicuously placed upon high counters or shelving above eye level without attracting the customer's attention from displayed merchandise.

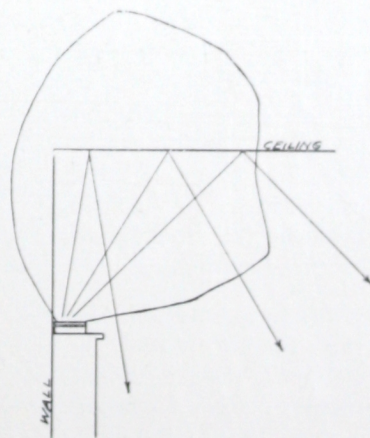
Equipped with a mogul socket to accommodate as high as 500 watts, the Boxlite can be very easily installed without additional wiring expense. A cord set eight feet long is supplied as regular standard equipment on each unit. Thus, by taking advantage of existing convenience outlets, a unit of this sort can

step up illumination levels depending, of course, upon the number of Boxlites installed and the wattage of the lamps used.

Boxlites can be used to supplement center pendant fixture illumination. These units with their specially designed reflectors give excellent light distribution and retain their original efficiency with very little maintenance care.

Easily cleaned and relamped, the Boxlite is the first unit to be manufactured on a large

scale basis for the purpose which it is intended—adequate illumination, inconspicuous light source, well diffused light and easy installation. Since they can be finished to suit the interior they are, indeed, a model light source.



Catalog Number	Dimensions	Socket	Standard Wt.	Package Quant.
300-500 watt Wall Case Boxlite	14 3-8" long 12 3-4" wide 5 7-8" high	Mog.	37	4



# ISLAND CASE BOXLITE

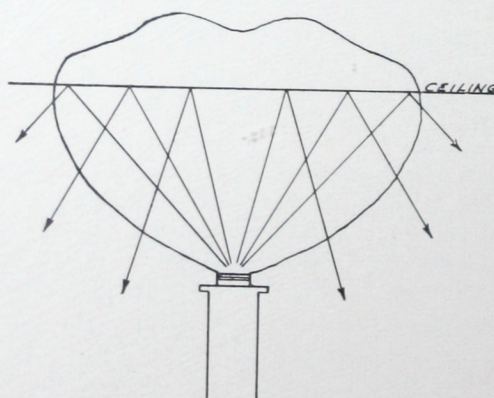


Similar in purpose to the Shelf Boxlite, which is designed to increase illumination levels by means of an inconspicuous light source, the Island Boxlite has just been added to this line so that this system of lighting can be used for every lighting project in which the main problem is inadequate overhead wiring.

The Island Boxlite, like the Shelf Boxlite, is equipped with a mogul socket accommodating from a 300 to 500 watt lamp. An eight foot cord set is furnished with each Boxlite so that the unit

can be plugged into any nearby convenience outlet.

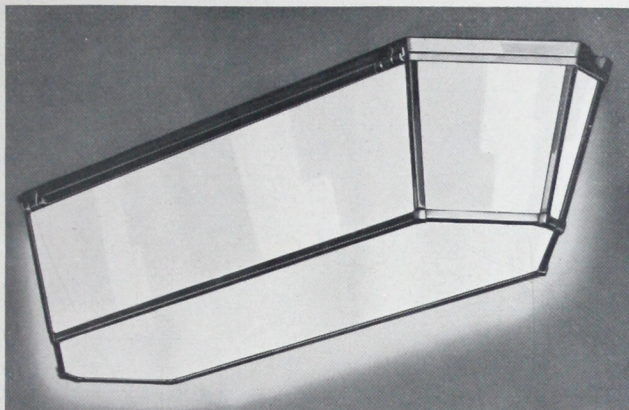
The Island Boxlite and the Shelf Boxlite are of the same dimensions. The reflector in the Island Boxlite, however, is spherical with the filament of the lamp at the focus. The light is therefore directed towards the ceiling with a wide distribution. A schematic diagram is shown here, giving an approximate idea of the distribution and intensities to be obtained from the use of this unit. Standard finish is Neutral Brown.



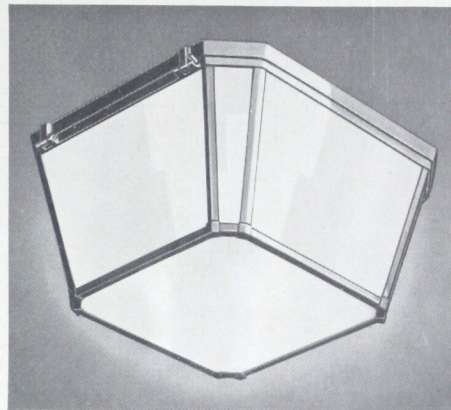
Catalog Number	Dimensions	Socket	Standard Wt.	Package Quant.
300-500 W. Island Case Boxlite	14 3-8" long 12 3-4" wide 5 7-8" high	Mog.	37	4



# THE DOMINO SYSTEM OF LIGHTING



Standard Domino



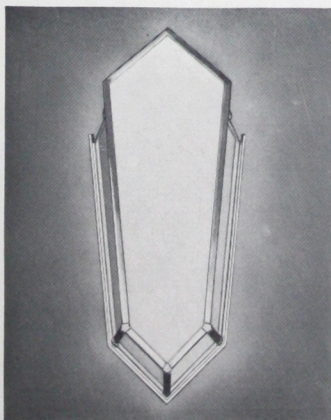
Square Domino

Wakefield Dominoes are complete fixtures, applicable to wall or ceiling surfaces and employed in combinations or sets of three or more units arranged in decorative patterns. The individual unit consists of a plate with usual supports 31" x 11" overall and pointed at both ends. On this plate are mounted two siamese sockets which will accommodate lamps of from 15 to 100 watt size. Supported from the plate is a hinged and readily removable frame, 6 $\frac{1}{4}$ " deep, which carries a globe built up of nine pieces of flashed opal glass. The careful positioning of the sockets, and the consequent exact relation between lamps and enclosing glassware, results in almost perfect uniformity of brightness over the entire surface. Each individual unit is wired with No. 12 wire so that when a group is used together, the wiring of the fix-

ture itself will not limit the possible capacity.

A myriad of patterns may be evolved from a number of these units, which are interconnectible one with another. This feature, as far as we know, has never been employed before in any standard equipment. With ingenuity on the part of the installation designer, the Domino can be adapted to meet any structural condition. It eliminates all the necessity for the remodeling of walls or ceiling; in very many cases it does not even require wiring alterations but may be applied to the existing outlets.

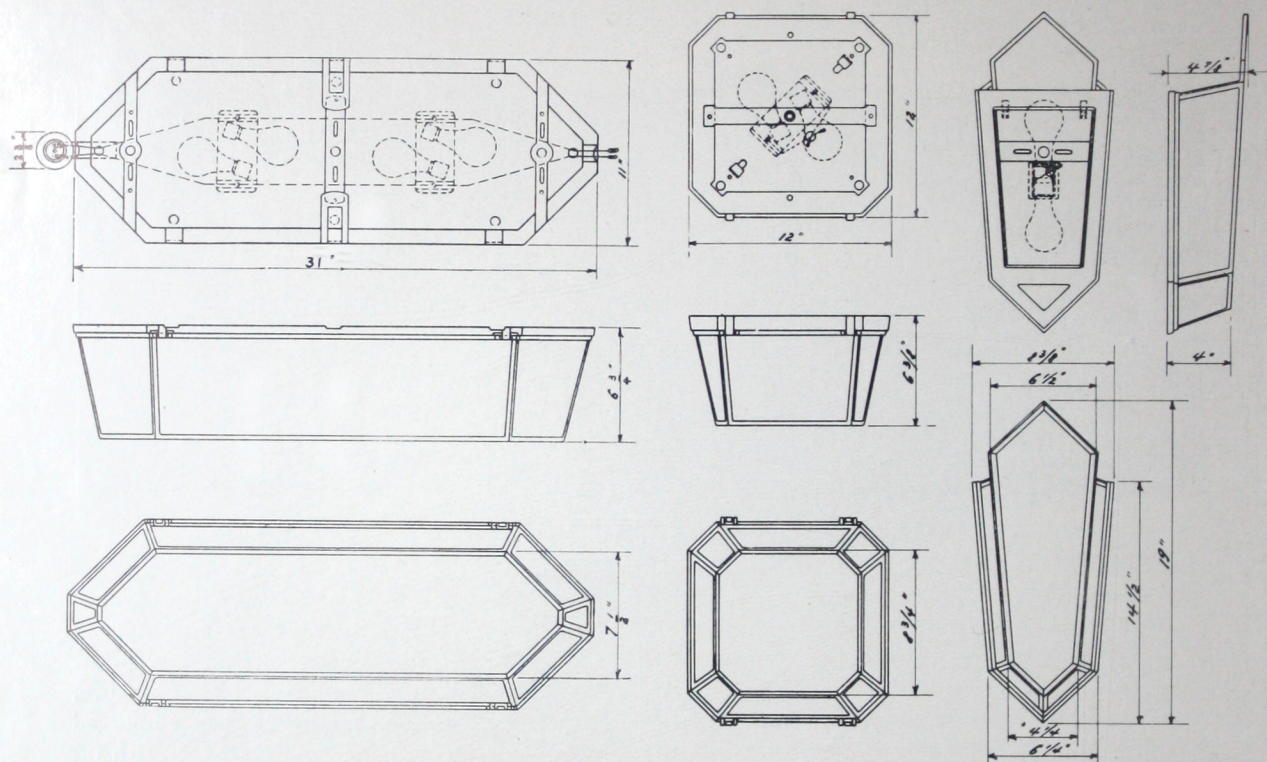
Besides the Standard oblong Domino, the Square Domino, and the Wall Pocket in both 12" and 19" sizes are available which permits the Domino System of Lighting to be carried out completely.



19" Wall Pocket



## DIMENSIONAL DIAGRAM



### Purchase Information

Dominoes requiring the use of other than standard Flashed Opal Glass can be supplied on factory order. Write for quotation giving the number of units involved and the type or description of glass desired.

The Standard Domino and the Square

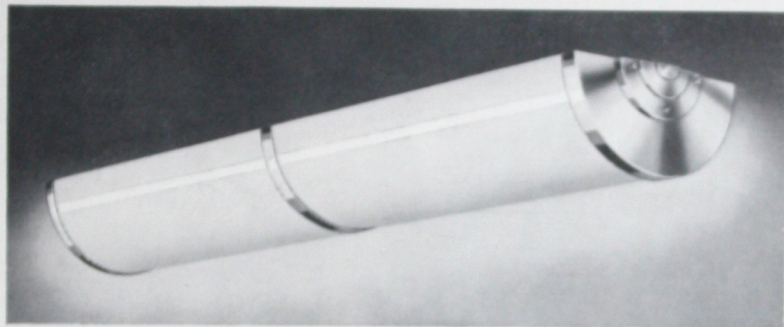
Domino can be supplied with individually controlled switches. Dominoes carry the label service of the National Board of Fire Underwriters.

The Domino Connector is necessary when more than two units are connected end-to-end.

Catalog Number	Standard Package	
	Wt.	Quant.
Standard Domino	27	1
Square Domino	14	1
Connectors for Above	1/2	1
Connector with individual control switch	3/4	1
Wall Pocket 12" O. A. with 1 socket	5	1
Wall Pocket 19" O. A. with 2 sockets	8	1



## CONTINUOUS DOMINO



The new Continuous Domino provides both necessary and attractive lighting for the proper display of merchandise material. This line has the advantages and appearances of a planned lighting installation designed to conform with a particular architectural treatment, an angle which must be considered in any modernization plan.

Based upon the idea of combining decoration with illumination, this new series of connectible sections has all the appearance of custom-tailored lighting equipment. The Continuous Domino, which can be used singly or in interconnected rows of indeterminate length is based upon the same principle as the Domino for its excellent lighting results.

Two double sockets constructed on a plate, which is mounted on the ceiling in the



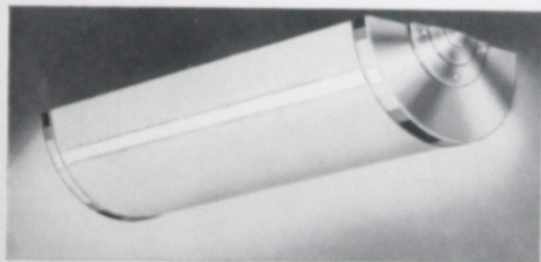
usual way, are used. These sockets are so well positioned that when from 15 to 75 watts are used in each socket there is no apparent spottiness on the surface of the unit.

By varying the number of units used and the wattage of the lamps, any desired degree of illumination can be obtained.

This semi-cylinder of opal glass, set off with end caps finished in Polished Chromium and illuminated by a louver effect, provides another item for lighting specifiers who wish the appearance of custom built equipment at standard production prices.

The dimensions of the unit are 5" deep, 22" long, and 10" wide.

When the Continuous Domino is used individually, the unit can be attached directly to the stud of an outlet box.



Catalog Number	Standard Wt.	Package Quant.
Continuous Domino	22	1
Side Wall Bracket (P-12")	12	12
Side Wall Bracket (P-18")	18	12



# THE SKIPPER

THE Skipper is a desk lamp of unusual beauty and simplicity in design. The standard finish is a rich antique brass, but the lamp is also available in polished chrome. In either of these two finishes, the Skipper will not fail to enhance the beauty of any desk on which it is used.

The light rays in this lamp are first directed to the white-enameled inner surface of the metallic shade where they are reflected and diffused over the entire surface of the desk.

The following table gives the added illumination to be expected when a 100 watt lamp is used:

Distance from base:	12"	18"	24"	30"	36"
Footcandles:	75	40	25	16	10



In this lamp there is no raw or direct light on the working plane because the bare lamp is completely concealed from this angle. The inner concave surface is finished in a special heat-resisting white enamel of high reflection factor.

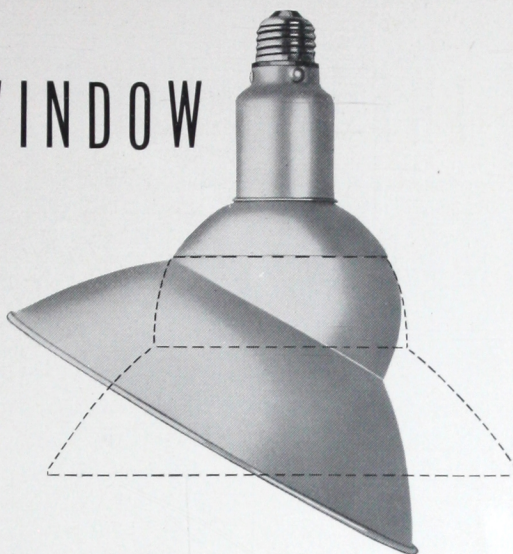
For desks on which space is at a premium, the clamp-on type Skipper provides excellent illumination on the same principle as the standard base type. This lamp is similarly designed and finished, and is made to withstand rough usage.

The Skipper is wired with a six foot cord set and is equipped with a "push-in" switch for finger tip control.

Catalog Number and Finish	Diameter Shade	Height	Wattage	Standard Package		List
				Wt.	Quant.	
Skipper Antique Brass	13"	17"	100	32	6	
Skipper Polished Chrome	13"	17"	100	32	6	
Skipper Clamp-On Antique Brass	13"	17"	100	32	6	
Skipper Clamp-on except with swing swivel	13"	17"	100	36	6	



# CATCHON WINDOW REFLECTOR



The Catchon Window Reflector\* has been created to improve window lighting by simply screwing the reflector into existing sockets. The reflector shell is adjusted so that light can be directed to any part of the window display. This feature also permits its use in sockets which lie in either horizontal, vertical or any intermediary position. No wiring or auxiliary equipment is required. These reflectors screw right into existing sockets.

The Catchon Reflector has been designed for use with standard 150 W. lamps and is recommended for building up intensities in present installations. With this size lamp the filament is located at the focus of the reflector, producing a concentrated beam. Cost of lamp

replacement is low because no special lamp is required.

These reflectors are manufactured with the thought in mind of supplying low priced

window reflectors for the large group of small stores now using only bare lamps and to those with inefficient and ineffective equipment. By the simple means of screwing Catchon Reflectors into existing sockets, wasted light which formerly escaped into the sidewalk area is directed onto the display to give a brilliant effect. Glare from the shopper's angle is eliminated, and the displayed merchandise is made to stand out more effectively than ever before.

The reflecting surface in the Catchon Reflectors consists of two types of finishes. The area immediately behind the lamp is finished in Satin Aluminum and that ahead of the lamp in Polished Aluminum. This combination finish provides a central beam of concentrat-



ed light with sufficient distribution for smooth illumination of the window. The exterior of the reflector is finished in Satin Aluminum sprayed with heat resisting lacquer.

One Hundred watt lamps can also be used in this reflector in the smaller store installations.

\* U. S. Patent No. 1,969,534.



Catalog Number	Recommended Wattage	Standard Wt.	Package Quant.
COR-150	150 W	20	12
COR-200-300	200-300 W	25	12

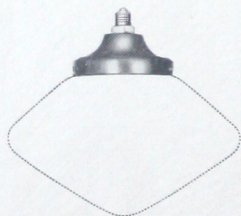


# FOR THE SMALLER COMMERCIAL USER

The 4" and 6" Holder Adapters are designed to improve lighting conditions by making use of existing drop cords or outlets and by providing a means of installing an enclosing globe. In this manner the glare and objectionable features of lighting with a bare lamp are overcome. This is an ideal way to light up the more somber interiors not having glass and using at the present time only bare lamps on drop cords.

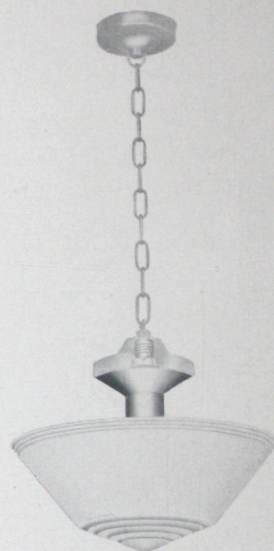
For store owners who wish to increase illumination levels but are prevented from doing so because of the excessive surface brightness of the enclosing globe, the 200-300 W. Catchon Commodore has been designed. The Catchon Commodore consists of a high transmission Plaskon reflector with no objectionable surface brightness, supporting chains, and a Satin Aluminum socket adapter. The socket will accommodate 200 or 300 watt medium base lamps.

The Catchon Commodore is designed to change over with little expense from a direct glass-ware type of lighting to a semi-indirect system. Since there is no wiring expense involved, a complete change of the lighting system can be made with very little money involved. In a very few moments, the appearance of a whole interior can be changed from one in which there is a myriad of dangling dazzling globes to one bright with soft, diffused light.



**HOLDER ADAPTER**

is not necessary in the conversion of 4" holders. The chain hanger is not sold with the Catchon and is shown only for illustrative purposes.



**CATCHON COMMODORE WITH  
DEFLECTING RING**

The Catchon Commodore illustrated above is shown complete with a 6" Deflecting Ring. The Deflecting Ring is an important part of the Catchon for it does away with the necessity of removing the 6" holder by providing additional reflecting surface. This ring

Catalog Number and Description	Standard Package	
	Wt.	Quant.
4" Holder Adapter	8	12
6" Holder Adapter	9	12
200-300 W. Catchon Commodore	24	12
Deflecting Ring for 6" Holders	3	12



# I. E. S. LAMPS



The F. W. Wakefield Brass Company has been manufacturing Better Sight Lamps meeting the specifications of the Illuminating Engineering Society ever since the movement for better lighting for study and reading purposes was promoted. Lines ideally designed, with construction features far in advance of competitive material, are continually being produced on a large scale and are being sold

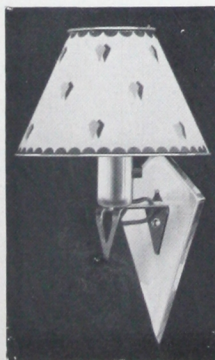
at prices which reflect the savings of manufacturing on this basis.

Because of the fluctuating prices and changing styles a listing and description of the lamps have not been attempted. A special folder illustrating approved I. E. S. Better Sight Lamps, as well as full price information, is available on application.

## THE ATTACHETTE

The Attachette, since its very introduction, has been a very fast seller. This new and modernly designed lamp has the unusual feature of being either a wall bracket or a table lamp. By sliding the socket holder around, it becomes an equally attractive table lamp. This feature has brought it a success much greater than our fondest expectations.

The lamp is finished in black enamel and polished chrome, result-



ing in a combination of great beauty and eye appeal. Its chrome and black, along with a 7" shade which is in perfect harmony, fits well in any interior. Its sales record testifies to that.

The Attachette is the most versatile lamp we know of. It either hangs up or sits up. There are dozens of uses it can be put to in the average home—as a boudoir lamp, night lamp, phone lamp, mirror lamp, corner lamp.

Catalog Number	Recommended Wattages	Standard Wt.	Package Quant.
656 Attachette	60-75	14	12



## SPECIAL FINISHES

Special finish additions are listed on Cost sheets for the 1100, 1300, 1400, 1900, and 2100 lines.

Orders for hangers whose finish is to be duplicated should be accompanied with a sample of the finish. We will then supply a finish on the hangers resembling as closely as possible the finish of the sample. Upon special request, however, we will furnish a sample of the finish we intend to supply. Finishing of the hangers will be held up until approval of the sample submitted is received.

For lines other than those listed above, write the factory for a quotation, giving quantity and type of fixtures involved.

The price given on the cost sheet is to be added to the net price of each hanger. These prices apply on hangers of standard length and on those of special length up to 4 feet overall.

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## LIST OF PUBLICATIONS

Recommendations for Classroom Lighting  
Approved I. E. S. Better Sight Lamps and Converters  
Lighting Tests Conducted on Commodore Luminaires  
Four Way Approach to Store Lighting Sales



# LIST OF "RED SPOT" PRODUCTS

## REFLECTORS OF MOLDED PLASTICS

200-300 W. Commodore Luminaire DS-1009  
 300-500 W. Commodore Luminaire DS-1007 Ivoryglow DS-1013  
 750-1000-1500 W. Commodore Luminaire DS-1005-6

## LUMILINE EQUIPMENT DS-1014-15-16

### HANGERS

Stem Type	Ceiling Type	Chain Type
	Side Wall Accessories	
Bronze Embossed Hangers 1900 Line DS-1019	Screwless Hangers 1400 Line DS-1021	Airflow Units DS-1018
	Standard Brass Hangers 1300 Line DS 1023	
	1100 Line Price Hangers 1000 Line DS-1020	
	Government Hangers	

### OPEN BOWL HANGERS

Open Bowl Hangers DS-1022 Polished Chrome Hangers DS-1017

### PRICE HANGERS

Steel Types		Brass Types
	1000 Line DS-1020	1100 Line DS-1020

## THE DOMINO SYSTEM OF LIGHTING

Standard Domino	Wall Pockets DS-1029-30-31	Square Domino
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## CAMPAIGN ITEMS

Boxlite DS-1027-28	Attachette DS-1033	Ivoryglow DS-1013
Airflow Units DS-1018		Catchon Downlights DS-1025-26
	I. E. S. Lamps DS-1033	
	Skipper Desk Lamps DS-1032	

## I. E. S. LAMPS

Table Models	Floor Models	Bridge Models	End Table Models
	"Seeing is Believing" Demonstrator		
	Better Sight Converters		













**RED SPOT**

**THE F. W. WAKEFIELD BRASS CO.**  
VERMILION, OHIO